

Title (en)

CIRCUIT BOARD AND POWER SUPPLY DEVICE

Title (de)

LEITERPLATTE UND STROMVERSORGUNGSVORRICHTUNG

Title (fr)

CARTE DE CIRCUIT IMPRIMÉ, ET DISPOSITIF D'ALIMENTATION ÉLECTRIQUE

Publication

EP 4089894 A4 20221116 (EN)

Application

EP 21859327 A 20210326

Priority

JP 2021013005 W 20210326

Abstract (en)

[origin: EP4089894A1] An object is to provide a technique for improving the durability of a circuit board attached to a rotating body and a device that includes same. A circuit board 50 according to the embodiment is fixed to a rotating body, and oriented such that its plate thickness direction is parallel to the rotation axis of the rotating body. The circuit board 50 includes either a plurality of devices mounted thereon such as to be distributed around the rotation axis so that the circuit board 50 as a whole has a center of gravity located in a central area of rotation, or a single device mounted thereon in an annular shape such as to have a center coinciding with the rotation axis.

IPC 8 full level

H02K 21/26 (2006.01); **H02K 7/18** (2006.01); **H02K 11/042** (2016.01)

CPC (source: EP US)

H02K 1/2793 (2013.01 - US); **H02K 7/1846** (2013.01 - EP US); **H02K 11/042** (2013.01 - EP); **H02K 11/30** (2016.01 - US); **H02K 21/26** (2013.01 - EP); **H02K 2211/03** (2013.01 - EP)

Citation (search report)

- [Y] US 10541587 B2 20200121 - DIENGSLEDER-LAMBAUER CARMEN VIOLA [AT]
- [Y] EP 0832764 A2 19980401 - PEARMAN KEVIN P A [ZA]
- [Y] FR 2301952 A1 19760917 - LUCAS INDUSTRIES LTD [GB]
- [Y] JP S5917855 A 19840130 - HITACHI LTD
- [A] JP 2007168760 A 20070705 - KAMEYAMA KAZUNAO
- See also references of WO 202201523A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4089894 A1 20221116; **EP 4089894 A4 20221116**; CN 115413394 A 20221129; JP 7398477 B2 20231214; JP WO2022201523 A1 20220929; US 2024048029 A1 20240208; WO 2022201523 A1 20220929

DOCDB simple family (application)

EP 21859327 A 20210326; CN 202180005169 A 20210326; JP 2021013005 W 20210326; JP 2021558585 A 20210326; US 202117640145 A 20210326